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1947

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

January 1947

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WEATHER BUREAU

JANUARY 1947

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8.30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	62.9	62.9	63.1	63.0	17.2	11.8	14.8	13.9	13.5	14.1
2	3.5	2.3	2.4	2.7	17.2	12.9	14.4	15.5	12.8	14.2
3	1.6	59.7	59.1	0.1	17.9	13.0	14.4	16.7	14.4	15.2
4	57.2	6.0	7.7	57.0	17.2	11.0	14.4	13.4	12.9	13.6
5	9.7	9.9	61.1	60.2	14.4	11.8	11.6	12.7	13.8	12.7
6	62.5	62.3	63.5	62.8	14.9	12.3	13.7	13.4	12.7	13.3
7	4.6	4.1	2.3	3.7	15.6	11.7	12.7	15.0	11.7	13.1
8	5.5	2.1	4.5	4.0	15.1	12.8	12.8	14.2	13.3	13.4
9	4.0	2.6	2.2	2.9	16.4	14.4	14.4	15.5	14.4	14.8
10	1.0	1.0	1.6	1.2	16.1	12.8	14.9	16.1	13.7	14.9
11	63.5	62.8	62.7	63.0	17.7	12.3	15.0	16.6	13.8	15.1
12	1.3	58.4	58.5	59.4	18.4	10.7	14.6	17.2	12.8	14.9
13	57.8	8.9	8.5	8.4	13.2	9.7	12.6	11.3	11.5	11.8
14	9.1	9.1	62.2	60.1	13.6	9.7	10.5	13.2	11.9	11.9
15	63.9	62.5	3.3	3.2	15.7	11.7	11.5	15.5	12.7	13.2
16	62.8	60.8	60.6	61.4	17.2	12.8	13.8	16.3	15.9	15.3
17	59.3	58.8	0.3	59.5	18.1	11.8	15.5	16.5	14.9	15.6
18	60.7	9.3	59.9	60.0	16.9	10.2	13.9	11.2	10.6	11.9
19	58.4	8.0	7.2	57.9	14.6	10.1	13.4	11.4	10.7	11.8
20	60.0	6.7	7.0	7.9	15.2	10.9	13.7	11.7	12.6	12.7
21	57.3	58.5	57.5	57.8	15.7	11.7	13.4	13.3	12.7	13.1
22	4.7	2.4	1.8	3.0	16.2	10.6	15.5	16.2	15.4	15.7
23	6.6	8.5	60.4	8 5	13.8	9.9	12.7	13.3	9.9	12.0
24	60.7	63.3	6.0	63.3	14.1	11.2	12.7	13.9	13.2	13.3
25	9.6	9.0	9.0	9.2	15.2	10.2	13.3	14.5	11.6	13.1
26	69.1	66.1	64.3	66.5	15.6	12.2	12.2	14.6	13.6	13.5
27	1.3	58.2	55.7	58.4	18.9	12.7	15.1	17.7	15.5	16.1
28	56.1	6.8	58.3	7.1	16.2	12.7	14.9	15.6	13.9	14.8
29	9.8	9.7	60.0	9.8	16.6	11.1	15.5	15.2	12.7	14.5
30	6.8	4.1	54.7	5.2	17.8	10.9	14.3	17.3	11.7	14.4
31	2.9	3.6	6.3	4.3	14.9	10.1	14.1	12.2	13.4	13.2
	60.78	59.94	60.37	60.36	15.76	11.53	13.75	14.55	13.03	13.79

Barometer, range for month 769.6 – 751.8 mm.
„ 71-yr. average for month 763.184 mm.
Thermometer, range for month 18.9° — 9.7°C
„ 71-yr. average for month 13.°72 C.
Rain, total for month 394.57 m.m.
„ 71-yr. average for month 190.28 m.m.
„ Total, Sept. 1st. to end of month 653.04 mm.
„ 71-yr. average, Sept. 1st. to end of month 564.55 mm.

JANUARY 1947

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor mm.				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	10.4	11.0	9.8	10.4	82	92	84	86	0.4	274.0	6.35
2	10.7	11.7	7.9	10.1	87	90	48	75	7.6	330.0	8.89
3	10.8	11.4	10.7	11.0	89	80	87	85	8.1	460.0	4.06
4	10.0	11.4	11.0	10.8	81	99	98	93	2.0	664.0	10.16
5	9.9	10.6	11.1	10.5	94	94	94	94	0.3	869.0	55.88
6	11.2	11.4	10.6	11.1	95	99	94	96	0.2	502.0	31.24
7	10.5	10.4	10.0	10.3	94	83	98	92	0.6	210.0	5.85
8	10.8	11.7	10.6	11.0	98	96	94	96	0.4	238.0	10.16
9	11.3	12.1	12.2	11.9	93	93	99	95	0.2	448.0	10.67
10	11.1	11.1	10.3	10.8	88	82	88	86	3.2	310.0	15.24
11	10.3	10.8	10.3	10.5	81	77	88	82	0.5	270.0	0.76
12	9.0	10.3	11.0	10.1	73	70	99	81	1.0	348.0	
13	8.5	9.6	8.9	9.0	78	96	88	87	0.6	586.0	38.20
14	8.9	8.7	8.5	8.7	94	76	81	84	0.3	142.0	25.15
15	9.0	10.6	8.8	9.5	89	81	80	83	3.3	233.0	0.76
16	9.7	10.9	10.5	10.4	82	79	78	80	3.7	237.0	
17	8.7	10.7	10.5	10.0	67	77	83	76	7.3	258.0	
18	8.9	8.5	8.8	8.7	75	85	91	84	5.2	502.0	5.08
19	8.6	8.5	8.8	8.6	74	85	92	84	1.0	753.0	9.90
20	9.8	10.2	10.4	10.1	84	99	95	93	0.0	634.0	50.55
21	10.6	8.1	10.5	9.7	93	71	94	86	5.3	842.0	25.65
22	9.5	9.1	9.4	9.3	72	67	72	70	0.5	1291.0	17.53
23	8.9	8.3	8.4	8.5	80	72	93	82	4.3	1122.0	7.12
24	10.6	9.5	8.7	9.6	94	80	77	84	1.3	320.0	27.94
25	9.2	9.2	8.3	8.9	81	75	81	79	9.4	124.0	
26	8.2	9.2	9.1	8.8	87	74	78	80	4.7	193.0	
27	7.4	11.6	10.1	9.7	40	76	78	65	7.5	695.0	
28	10.2	10.0	10.2	10.1	80	76	85	80	4.6	1212.0	5.84
29	9.8	10.2	8.9	9.6	75	79	81	78	5.6	301.0	5.08
30	10.0	10.4	10.3	10.2	82	72	100	85	3.0	1131.0	2.29
31	10.6	9.9	9.5	10.0	88	93	82	88	5.8	412.0	24.89
	9.77	10.19	9.80	9.93	82.9	82.6	86.4	84.1	3.15	535.83	12.72

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.: above sea level 30.31 m.

Time of reading minus 2 hours equals G C.T.

71 year averages are for period, 1875–1945

JANUARY 1947
METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	8ci	10ni	10ni	9.3	1se	1se	1s	slight	
2	2cu	4cu	10ni	5.3	2se	1sw	1sw	,,	
3	3cu	3cu	6cu	4.0	1se	1s	0	,,	
4	1cu	10ni	10ni	7.0	1sw	3sw	2w	mod.	
5	10ni	10ni	8cu	9.3	2sw	3sw	2sw	rough	
6	10ni	10ni	10cu	10.0	3sw	1sw	1sw	mod.	
7	9cu-ni	9cu-ni	5ci	7.7	1se	1s	1s	,,	
8	10cu-ni	10ni	10cu-ni	10.0	1s	1s	1s	slight	
9	10ni	10cu-ni	10ni	10.0	2sw	2sw	2sw	mod.	
10	10cu-ni	6cu-ni	3cu	6.3	2sw	2sw	1sw	,,	
11	10cu-ci	10cu	0	6.7	1sw	2sw	0	slight	
12	10cu	8cu-ci	10ni	9.3	1sw	2sw	1sw	,,	
13	10ni	10ni	10ni	10.0	2sw	2sw	1sw	mod.	
14	10ni	8cu-ni	10cu	9.3	2sw	1sw	0	rough	
15	10cu	1cu	0	3.7	1se	2sw	0	slight	
16	8ci	9cu-ci	5ci	7.3	0	1ne	0	,,	
17	0	2cu	10cu	4.0	1se	1sw	0	,,	
18	2cu	5cu	1cu	2.7	1se	1sw	1sw	,,	
19	10cu-ni	10ni	10ni	10.0	4sw	2sw	3sw	rough	
20	10ni	10ni	10ni	10.0	3sw	4sw	2sw	rough	
21	10ni	10ni	10ni	10.0	3sw	0	2sw	,,	
22	9ni	9cu-ni	2cu	6.7	4sw	3sw	4sw	,,	G. at night and T.
23	5ci	8cu-ni	10cu-ni	7.7	3sw	5sw	1sw	,,	G. at night
24	10ni	10ni	5cu	8.3	5sw	3sw	1sw	,,	
25	2cu	0	0	0.7	1se	2nw	1n	slight	
26	0	10cu	10cu	6.7	1se	2sw	1sw	,,	
27	9cu	0	0	3.0	1se	0	1se	,,	G. at night
28	9cu-ni	1cu	6cu-ni	5.3	5sw	5sw	5sw	rough	
29	2cu	9cu-ni	2cu-ci	4.3	3w	1sw	1sw	,,	
30	2ci	1ci	7cu-ni	3.3	1se	1sw	1sw	slight	G. at night and T.
31	10cu-ni	10ni	10cu-ni	10.0	3sw	3sw	5sw	rough	G. at night and T.
				7.02					

* Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	0	0	11	1	17	1	0	1	31
14:30	0	1	0	1	3	23	0	1	2	31
20:30	1	0	0	1	3	19	1	0	6	31
Mean	1	1	0	13	7	59	2	1	9	91

Number of days with rain 25, fog 0, thunderstorms 3, gale 5.

71 yr. av. number of days with rain during month 15.67